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Description

Proline Ester and Preparation Containing the Same for  
Percutaneous Administration

*This application is a 371 of PCT/JP03/11420 filed on 09/08/2003.*

*Entitled*  
R.S. 8/30/01  
Technical Field

The present invention relates to a proline ester which is useful as a prodrug of enalaprilat, an agent useful in treatment of hypertension or cardiac failure, to drugs containing the ester, and to preparations containing the ester for percutaneous administration.

Background Art

Currently, as agents for the treatment of hypertension, a variety of peroral preparations such as a calcium antagonist, an angiotensin-converting enzyme (ACE) inhibitor, and an angiotensin receptor antagonist are employed in clinical settings. However, not a small number of patients with hypertension tend to experience difficulty in swallowing or have disorders in the digestive tract, and in such cases, peroral administration encounters difficulty. Therefore, development of an antihypertensive agent that can be administered through a route other than peroral route has been awaited. In general, use of a percutaneous preparation is suitable means for treating patients having difficulty in peroral administration, since a drug is absorbed through the skin. However, an antihypertensive agent in the form of